

In the Claims

Claims are amended as follows:

1. (currently amended) A method of intelligent network service provision by a Service Control Function (SCF) service providing first network element, comprising the steps of:

storing network user status information at said first network element;

receiving at the first network element a message from a ~~second network element~~ Home Location Register, said message notifying the first network element of ~~associated with~~ a change in network user status information;

updating said stored information; and

providing intelligent network services to said network user dependent on said network user status information

and wherein the step of receiving said message is triggered by a change in network status of a user.

2. (currently amended) A method according to claim 1, further comprising the step of:

at said Home Location Register ~~second network element~~, sending a message to each of a predetermined set of network elements, said message notifying the network elements of ~~associated with~~ a change in network user status information,

wherein said predetermined set includes said first network element.

3. (currently amended) A method according to claim 2, further comprising the steps of:

at said Home Location Register ~~second-network-element~~, selecting said predetermined set of network elements according to the change in network user status information.

4. (original) A method according to claim 1, wherein the change in network user status information is one of user activated, user deactivated, user deleted, user identifier code updated, user service screened and user service suppressed.

5. (original) A method according to claim 4, wherein said user identifier code is an international mobile subscriber identity.

6. (currently amended) A method according to claim 1, wherein the first and second network elements element and the Home Location Register are wireless network elements.

7. (cancelled)

8. (cancelled)

9. (original) A computer program for performing the method according to claim 1.

10. (original) A computer program according to claim 9 stored in machine readable form.

11. (original) A computer program according to claim 9 on a storage medium.

12. (currently amended) A method of sharing network user status information in a communications network, said method comprising the steps of:

storing network user status information at a Home Location Register service providing first network element at which intelligent network services are provided;

detecting a change in network status of a user; and

sending a message to each of a predetermined set of Service Control Function (SCF) service providing network elements at which intelligent network services are provided, said message notifying the Service Control Function (SCF) of associated with a the change in network user status information, wherein the sending of the message is triggered by detecting the change in network status of the user.

13. (cancelled)

14. (original) A method according to claim 12, further comprising the step of:

selecting said predetermined set of network elements according to the change in network user status information.

15. (original) A computer program for performing the method according to claim 12.

16. (original) A computer program according to claim 15 stored in machine readable form.

17. (original) A computer program according to claim 15 on a storage medium.

18. (currently amended) A Service Control Function (SCF) service providing network element comprising:

a memory arranged to store network user status information;

a receiver arranged to receive a message from a Home Location Register second-network-element, said message notifying the Service Control Function (SCF) of associated with a change in network user status information;

a processor arranged to read said message and update said network user status information stored in said memory; and

a transmitter arranged to provide intelligent network services to a network user dependent on said network user status information

and wherein the receiver is arranged to receive said message in response to a change in network status of a user.

19. (cancelled)

20. (previously presented) A service providing network element according to claim 18, said memory comprising a database.

21. (currently amended) A Home Location Register network element comprising:

a memory arranged to store network user status information;

a processor arranged to detect a change in network status of a user;

and

a transmitter arranged to send a message to each of a predetermined set of Service Control Function (SCF) service providing network elements at which intelligent network services are provided, said message notifying the Service Control Function (SCF) of associated-with-a the change in network user status information, wherein the transmitter is arranged to send the message in response to detecting the change in network status of the user.

22. (original) A network element according to claim 21 comprising:

a selector arranged to select said predetermined set of service providing network elements according to said change in network user status information.

23. (currently amended) A communications network comprising:

a Service Control Function (SCF) service providing network element comprising:

a memory arranged to store network user status information;

a receiver arranged to receive a message from a second network element, said message associated with a change in network user status information;

a processor arranged to read said message and update said network user status information stored in said memory;

a transmitter arranged to provide intelligent network services to a network user dependent on said network user status information;

and wherein the receiver is arranged to receive said message in response to a change in network status of a user.

a Home Location Register network element comprising:

a memory arranged to store network user status information; and

a transmitter arranged to send a message to each of a predetermined set of service providing network elements, said message associated with a change in network user status information;

wherein the transmitter is arranged to send the message in response to detecting the change in network status of the user.

24. (original) A communications network according to claim 23, wherein said network is a wireless network.

25. (original) A communications network according to claim 24, wherein said network is a cellular mobile network.